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April 1965

PHOTOGRAPHIC INTERPRETATION REPORT

17049

OAK - PART IV  
MISSION 1018-1  
26-29 MARCH 1965

- Declass Review by NIMA/DOD



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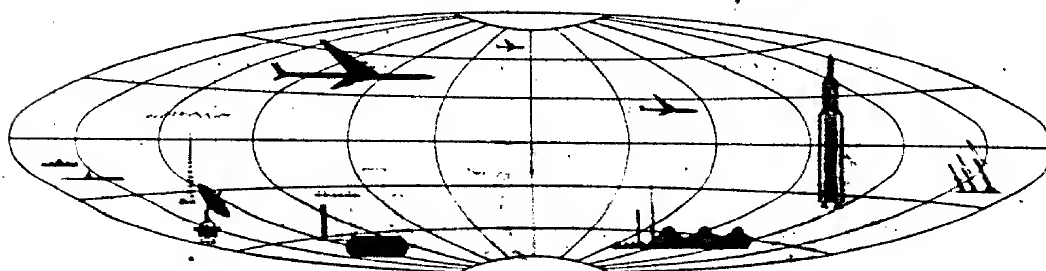
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**TOP SECRET CHESS RUFF**  
**MISSION 1018-1,26-29 MAR 65**

**TCS-80489/65**

**TABLE OF CONTENTS**

<b>PREFACE</b>	<b>2</b>
<b>TRACK OF MISSION</b>	<b>3</b>
<b>HIGHLIGHTS</b>	<b>5</b>
<b>MISSILES</b>	<b>7</b>
<b>NUCLEAR ENERGY</b>	<b>18</b>
<b>INDEX OF COMOR TARGETS</b>	<b>19</b>
<b>ATTACHMENTS</b>	<b>APPENDIX</b>

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MISSION 1018-1, 26-29 MAR 65

TCS-80489/65

## OAK - PART IV MISSION 1018-1

### PREFACE

THIS IS THE FOURTH AND FINAL OAK REPORT ON MISSION 1018-1 AND PROVIDES INFORMATION ON THOSE COMMITTEE ON OVERHEAD RECONNAISSANCE (COMOR) TARGETS OBSERVED ON THE PHOTOGRAPHY.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), H (HAZE), CS (CLOUD SHADOW), HC (HEAVY CLOUD COVER), SC (SCATTERED CLOUD COVER), SD (SEMI-DARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY IS BEING ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERAL DATA. CONSEQUENTLY, FUTURE DETAILED ANALYSIS MAY RESULT IN MINOR ALTERATIONS.

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## Highlights

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MISSION 1018-1, 26-29 MAR 65

TCS-80489/65

## HIGHLIGHTS

### LENINGRAD AMM/SAM LAUNCH COMPLEXES

25X1A

THE LENINGRAD AREA IS OBSERVED ON CLEAR, GOOD-QUALITY, STEREO PHOTOGRAPHY WITH SNOW CONDITIONS PREVAILING. AN ELECTRONIC SITE SIMILAR TO THAT AT THE SE CORNER OF THE LENINGRAD NW AMM/SAM LAUNCH COMPLEX IS APPARENTLY UNDER CONSTRUCTION AT BOTH THE LENINGRAD NE AND SW AMM/SAM COMPLEXES.

### STATUS OF COMOR TARGET READOUT

TWENTY TARGETS WERE OBSERVED DURING THE OAK REPORTING PERIOD AND ARE CONTAINED IN THIS OAK. A TOTAL OF 139 WERE REPORTED AND ARE LISTED IN THE INDEX AT THE CONCLUSION OF THIS REPORT. IN ADDITION, 7 BONUSES WERE REPORTED.

### NOTE

A TABULAR SUMMARY RECAPITULATING SIGNIFICANT ACTIVITY OBSERVED ON MISSIONS 1018-1 AND 1018-2 WILL APPEAR IN THE FINAL PART OF OAK 1018-2. THE FOLLOWING TABLE PROVIDES THE DATE AND TIME OF PHOTOGRAPHIC PASSES ON MISSION 1018-1.

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## Missiles



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TCS-80489/65

MISSILES

25X1A

PLESETSK ICBM COMPLEX

UR 6254N 04038E

25X1D

COMPLEX COVERED ON FAIR- TO GOOD-QUALITY, STEREO PHOTOGRAPHY. NO APPARENT CHANGE OBSERVED SINCE MISSION [REDACTED] AT THE COMPLEX SUPPORT FACILITY, TRANSFER POINT, ADMINISTRATION AND HOUSING AREA, LAUNCH POINTS I-IV (SITES 1-3), LAUNCH AREAS A (SITE 4), B (SITE 5), D (SITE 8), AND E (SITE 7). NO SIGNIFICANT CHANGE OBSERVED SINCE [REDACTED] AT LAUNCH AREA C (SITE 6). NO APPARENT CHANGE OBSERVED AT LAUNCH AREA F SINCE [REDACTED] LAUNCH AREA G (SITE 9) WAS CLOUD COVERED AND LAUNCH AREA H (SITE 10) WAS IDENTIFICATION ONLY.

25X1D

25X1D

25X9

25X1D

[REDACTED] AND THE UNIDENTIFIED ACTIVITY 1 NM NE OF THE ADMINISTRATION AND HOUSING AREA SHOWED NO APPARENT CHANGE SINCE MISSION [REDACTED] CONSTRUCTION CONTINUES AT THE UNIDENTIFIED ACTIVITY LOCATED SW OF THE COMPLEX SUPPORT FACILITY AT 62-54N 040-35E, HOWEVER, POOR IMAGE QUALITY PRECLUDES DETERMINATION OF CONSTRUCTION STATUS. THE UNIDENTIFIED AREA EAST OF THE COMPLEX SUPPORT FACILITY AT 62-55N 041-24E WAS NOT COVERED. NO ABM-RELATED INSTALLATIONS SIMILAR TO THOSE AT SARY-SHAGAN, LENINGRAD, OR MOSCOW OBSERVED IN THE WESTERN HALF OF A 50-NM SEARCH AREA. EASTERN HALF NOT COVERED.

25X1D

VERKHNYAYA SALDA ICBM COMPLEX

UR 5802N 06024E

25X9

THE COMPLEX IS PARTIALLY COVERED BY FAIR- TO POOR-QUALITY PHOTOGRAPHY. THE COMPLEX SUPPORT FACILITY AND RAIL-TO-ROAD TRANSFER POINT ARE IDENTIFICATION ONLY AND [REDACTED] IS CLOUD COVERED.

25X1D

25X1D

NO APPARENT CHANGE OBSERVED IN THE AUXILIARY SUPPORT FACILITY OR LAUNCH AREAS A (SITE 2), B (SITE 1), C (SITE 3), D (SITE 4), F (SITE 7), H (SITE 9) AND I (SITE 10), SINCE [REDACTED] LAUNCH AREAS E (SITE 5), AND G (SITE 8) ARE NOT COVERED. NO SIGNIFICANT CHANGE SINCE [REDACTED] CAN BE DETECTED IN THE UNIDENTIFIED ACTIVITY NORTH OF THE AUXILIARY SUPPORT FACILITY, HOWEVER POOR IMAGE QUALITY PRECLUDES DETAILED INTERPRETATION.

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TCS-80489/65

NO ABM ACTIVITY NOTED IN THE CLOUD-FREE AREAS OF THE  
50-NM-RADIUS SEARCH AREA.

25X1D



25X1A

YOSHKAR-OLA ICBM COMPLEX

UR 5633N 04801E



THE ENTIRE COMPLEX IS COVERED BY GOOD-QUALITY, STEREO PHOTOGRAPHY. THE COMPLEX SUPPORT FACILITY CONSISTS OF A RAILHEAD AND STORAGE AREA AND 3 HOUSING AREAS. THE RAILHEAD AND STORAGE AREA CONTAINS 4 RAIL SPURS, APPROXIMATELY 45 BUILDINGS, AND AN OPEN STORAGE AREA. ONE HOUSING AREA IS LOCATED SW OF THE RAILHEAD AND STORAGE AREA AND CONTAINS APPROXIMATELY 40 BUILDINGS. THE OTHER 2 ARE LOCATED EAST OF THE RAILHEAD AND STORAGE AREA AND CONTAIN APPROXIMATELY 25 AND 20 BUILDINGS RESPECTIVELY. AN UNIDENTIFIED FACILITY CONTAINING APPROXIMATELY 15 BUILDINGS IS LOCATED NORTH OF THE COMPLEX MAIN ROAD OPPOSITE THE EASTERNMOST HOUSING AREA.

RAIL-TO-ROAD TRANSFER POINT IS A COMPLETED LOOP-TYPE CONTAINING APPROXIMATELY 15 BUILDINGS.

LAUNCH AREA A (SITE 1) IS A COMPLETED TYPE IIB LAUNCH SITE. AN EARTH-BANKED MISSILE READY BUILDING IS LOCATED BEHIND EACH LAUNCH PAD AND 3 EARTH-MOUNDED BUILDINGS ARE LOCATED LEFT OF THE OFFSET CENTER SERVICE ROAD. AN EARTH-MOUNDED BUILDING IS LOCATED IN FRONT OF AND SLIGHTLY TO THE RIGHT OF THE RIGHT MISSILE READY BUILDING AND

25X9

25X9

THE SITE SUPPORT FACILITY, LOCATED JUST SOUTH OF THE LAUNCH SITE, CONSIST OF 2 SECTIONS, 1 CONTAINING APPROXIMATELY 25 BUILDINGS, THE OTHER APPROXIMATELY 20. A SMALL UNIDENTIFIED FENCED AREA CONTAINING 1 BUILDING IS LOCATED JUST EAST OF THE SITE SUPPORT FACILITY.

LAUNCH AREA B (SITE 2) CONSISTS OF A COMPLETED TYPE IIB LAUNCH SITE AND A SITE SUPPORT FACILITY. AT THE LAUNCH SITE, 1 MISSILE READY BUILDING IS LOCATED BEHIND THE LEFT LAUNCH PAD AND 2 BUILDINGS (1 EARTH-MOUNDED) ARE LOCATED LEFT OF THE OFFSET CENTER SERVICE ROAD. THE

25X9



25X9

THE SITE SUPPORT FACILITY IS LOCATED JUST SOUTH OF THE LAUNCH SITE AND CONTAINS

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MISSION 1018-1,26-29 MAR 65

TCS-80489/65

APPROXIMATELY 25 BUILDINGS.

25X9  
25X9  
LAUNCH AREA C (SITE 3) CONSISTS OF A COMPLETED TYPE IIB LAUNCH SITE AND A SITE SUPPORT FACILITY. AT THE LAUNCH SITE, 1 EARTH-BANKED MISSILE READY BUILDING IS LOCATED BEHIND THE LEFT LAUNCH PAD. FIVE BUILDINGS, 3 OF WHICH ARE EARTH-MOUNDED, ARE LEFT OF THE CENTER SERVICE ROAD AND [REDACTED]

THE SITE SUPPORT FACILITY, CONTAINING APPROXIMATELY 25 BUILDINGS, IS LOCATED JUST EAST OF THE LAUNCH SITE.

25X9  
LAUNCH AREA D (SITE 4) CONSISTS OF A COMPLETED TYPE IID LAUNCH SITE AND A SITE SUPPORT FACILITY. AN EARTH-BANKED MISSILE READY BUILDING IS LOCATED TO THE REAR OF THE LEFT LAUNCH PAD AND A MISSILE READY BUILDING IS LOCATED BEHIND THE RIGHT LAUNCH PAD. TWO EARTH-MOUNDED BUILDINGS ARE LOCATED INBOARD OF AND CANTED TO EACH OF THE LAUNCH PADS. THREE OTHER EARTH-MOUNDED BUILDINGS ARE APPROXIMATELY CENTERED BETWEEN THE LAUNCH PADS. [REDACTED]

25X9  
THE SITE SUPPORT FACILITY, CONTAINING APPROXIMATELY 35 BUILDINGS, IS LOCATED NE OF THE LAUNCH SITE.

25X9  
25X9  
LAUNCH AREA E (SITE 5) CONSISTS OF A COMPLETED TYPE IID LAUNCH SITE AND A SITE SUPPORT FACILITY. ONE EARTH-BANKED AND 1 EARTH-MOUNDED MISSILE READY BUILDING ARE TO THE REAR OF THE LEFT LAUNCH PAD. TWO EARTH-MOUNDED BUILDINGS ARE LOCATED INBOARD OF AND CANTED TO EACH OF THE LAUNCH PADS. THREE OTHER EARTH-MOUNDED BUILDINGS ARE APPROXIMATELY CENTERED BETWEEN THE PADS AND [REDACTED]

THE SITE SUPPORT FACILITY, CONTAINING APPROXIMATELY 20 BUILDINGS, IS LOCATED EAST OF THE LAUNCH SITE.

25X9  
25X9  
LAUNCH AREA F (SITE 6) CONSISTS OF A COMPLETED TYPE IID LAUNCH SITE AND A SITE SUPPORT FACILITY. TWO EARTH-MOUNDED MISSILE READY BUILDINGS ARE LOCATED BEHIND THE LEFT LAUNCH PAD AND 1 EARTH-MOUNDED READY BUILDING IS LOCATED TO THE REAR OF THE RIGHT LAUNCH PAD. TWO EARTH-MOUNDED BUILDINGS ARE INBOARD OF AND CANTED TO EACH OF THE LAUNCH PADS. THREE OTHER EARTH-MOUNDED BUILDINGS ARE CENTRALLY LOCATED BETWEEN THE 2 PADS. [REDACTED]

THE SITE SUPPORT FACILITY, CONTAINING APPROXIMATELY 25 BUILDINGS, IS LOCATED JUST WEST OF THE LAUNCH SITE.

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MISSION 1018-1,26-29 MAR 65

TCS-80489/65

THE COMMUNICATIONS FACILITY, LOCATED NORTH OF THE RAIL-TO-ROAD TRANSFER POINT, CONTAINS A CONTROL BUILDING BUT OTHER COMPONENTS ARE NOT DISCERNIBLE.

NO EVIDENCE OF HF COMMUNICATIONS IS APPARENT AT THE PREVIOUSLY REPORTED POSSIBLE HF COMMUNICATIONS FACILITY. THIS FACILITY CONSISTS OF 1 AREA CONTAINING 6 LARGE RECTANGULAR BUILDINGS, APPROXIMATELY 10 OTHER BUILDINGS AND A POSSIBLE STACK, AND AN ADJOINING AREA CONTAINING APPROXIMATELY 8 BUILDINGS.

NO ABM ACTIVITY NOTED IN THE 60 PERCENT CLOUD-FREE AREA OF THE 50-NM-RADIUS SEARCH AREA.

25X1D

## PERM ICBM COMPLEX

UR 5742N 05619E

25X1D

THE COMPLEX IS COVERED BY FAIR- TO POOR-QUALITY STEREO PHOTOGRAPHY. NO SIGNIFICANT CHANGE IN THE COMPLEX SUPPORT FACILITY AND RAIL-TO-ROAD TRANSFER POINT SINCE

25X1D

NO APPARENT CHANGE OBSERVED AT LAUNCH AREA A (SITE 1) SINCE

25X1D

AND LAUNCH AREAS B (SITE 2), D (SITE 6), AND F (SITE 4) SINCE LAUNCH AREA C (SITE 3) IS CLOUD-COVERED. LAUNCH AREA E (SITE 5) IS IDENTIFICATION ONLY. ACTIVITY IS APPARENT AT SITES 1 THROUGH 9. HOWEVER, LIMITING PHOTOGRAPHIC CONDITIONS PRECLUDE DETAILED INTERPRETATION.

NO ABM ACTIVITY WAS OBSERVED IN CLOUD-FREE PORTIONS OF THE EASTERN HALF OF 50-NM-RADIUS SEARCH AREA. THE WESTERN HALF WAS NOT COVERED BY PHOTOGRAPHY.

25X1D

## YEDROVO ICBM COMPLEX

UR 5751N 03340E

ENTIRE COMPLEX COVERED BY GOOD-QUALITY, STEREO PHOTOGRAPHY. THE COMPLEX SUPPORT FACILITY IS LOCATED AT AN ABANDONED AIRFIELD. IT CONSISTS OF A RAILHEAD/STORAGE AREA, AN ADMINISTRATION/HOUSING AREA AND A HOUSING AREA. THE RAILHEAD/STORAGE AREA CONSISTS OF 4 SPURS, AN OPEN STORAGE AREA, A CONCRETE BATCH PLANT AND APPROXIMATELY 50 BUILDINGS. THE ADMINISTRATION/HOUSING AREA CONTAINS APPROXIMATELY 100 BUILDINGS AND THE HOUSING SECTION CONTAINS

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MISSION 1018-1, 26-29 MAR 65

TCS-80489/65

25X9

25X9

APPROXIMATELY 55 BUILDINGS AND A VEHICLE/EQUIPMENT POOL. THE RAIL-TO-ROAD TRANSFER POINT IS LOCATED 1.5 NM NW OF THE COMPLEX SUPPORT FACILITY. IT CONTAINS 5 WAREHOUSE-TYPE BUILDINGS, 12 OTHER BUILDINGS, AND A POL TANK.

25X9

25X9

LAUNCH AREA A (SITE 2) IS A COMPLETED TYPE IIB LAUNCH SITE. A MISSILE READY BUILDING IS LOCATED BEHIND EACH PAD, AND

THE SITE SUPPORT FACILITY CONTAINS APPROXIMATELY 30 BUILDINGS.

25X9

25X9

LAUNCH AREA B (SITE 1) IS A COMPLETED TYPE IIB LAUNCH SITE. A MISSILE READY BUILDING IS BEHIND THE LEFT PAD.

THE SITE SUPPORT FACILITY CONTAINS APPROXIMATELY 30 BUILDINGS. THE CONSTRUCTION CAMP SOUTH OF THE SITE IS BEING REMOVED.

25X9

25X9

25X9

LAUNCH AREA C (SITE 5) IS A COMPLETED TYPE IID SITE WITH 2 READY BUILDINGS BEHIND THE LEFT PAD AND 1 BEHIND THE RIGHT. ACTIVITY ON LEFT PAD.

SITE SUPPORT FACILITY CONTAINS APPROXIMATELY 25 BUILDINGS.

25X9

25X9

LAUNCH AREA D (SITE 4) IS A COMPLETED TYPE IID LAUNCH SITE. THREE MISSILE READY BUILDINGS ARE SITUATED BEHIND THE RIGHT PAD AND

SITE SUPPORT FACILITY CONTAINS APPROXIMATELY 30 BUILDINGS.

25X9

LAUNCH AREA E (SITE 8) IS A COMPLETED TYPE IIIA SITE. A RIM FACILITY SOUTH OF THE SITE CONTAINS A RIM BUILDING AND  
FACILITY. THE SITE SUPPORT FACILITY CONTAINS APPROXIMATELY 20 BUILDINGS.

25X9

LAUNCH AREA F (SITE 6) IS A COMPLETED TYPE IID LAUNCH SITE. TWO MISSILE READY BUILDINGS ARE LOCATED BEHIND THE LEFT PAD AND 1 LOCATED BEHIND THE RIGHT PAD. A

THE SITE. SITE SUPPORT FACILITY CONTAINS APPROXIMATELY 25 BUILDINGS. MOST OF THE BUILDINGS IN THE CONSTRUCTION CAMP EAST OF THE SITE SUPPORT FACILITY HAVE BEEN REMOVED.

LAUNCH AREA G (SITE 7) IS A COMPLETED TYPE IID LAUNCH

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MISSION 1018-1,26-29 MAR 65

TCS-80489/65

25X9

SITE. TWO READY BUILDINGS ARE BEHIND THE LEFT PAD AND  
1 BEHIND THE RIGHT PAD. [REDACTED]

25X9

[REDACTED] SITE SUPPORT  
FACILITY CONTAINS APPROXIMATELY 25 BUILDINGS.

LAUNCH AREA I (SITE 3) IS A COMPLETED TYPE IIIA LAUNCH  
SITE. SITE SUPPORT FACILITY CONTAINS APPROXIMATELY 20  
BUILDINGS.

25X1D

NO ABM ACTIVITY OBSERVED IN WESTERN TWO-THIRDS OF  
50-NM-RADIUS SEARCH AREA. EASTERN ONE-THIRD IS NOT  
COVERED.

[REDACTED]

25X1A

## KOZELSK ICBM COMPLEX

UR 5356N 03549E

COMPLEX COVERED BY POOR-QUALITY, STEREO PHOTOGRAPHY.  
NO APPARENT CHANGE IN THE COMPLEX SUPPORT FACILITY,  
RAIL-TO-ROAD TRANSFER POINT, OR LAUNCH AREAS A (SITE 3),  
AND E (SITE 5). LAUNCH AREA D (SITE 4) IS  
IDENTIFICATION ONLY AND LAUNCH AREAS B (SITE 2) AND F  
(SITE 6) ARE CLOUD COVERED.

SEVERAL AREAS OF UNIDENTIFIED ACTIVITY ARE OBSERVED  
AROUND THE COMPLEX, BUT POOR-QUALITY PHOTOGRAPHY  
PRECLUDES DETAILED INTERPRETATION.

25X1D

TWO OF THE 3 AREAS OF SUSPECT ACTIVITY SEEN ON MISSION  
[REDACTED] ARE CLOUD COVERED. THE THIRD AREA IS  
IDENTIFICATION ONLY.

NO ABM ACTIVITY OBSERVED IN THE CLOUD-FREE PORTIONS OF  
THE 50-NM SEARCH AREA.

25X1D

[REDACTED]

## IMENI GASTELLO ICBM COMPLEX

UR 5107N 06619E

COMPLEX COVERED BY FAIR-QUALITY, STEREO PHOTOGRAPHY.  
NO SIGNIFICANT CHANGE OBSERVED AT THE COMPLEX SUPPORT  
FACILITY SINCE [REDACTED] IMAGE QUALITY  
PRECLUDES FURTHER INTERPRETATION OF THE AREA OF  
UNIDENTIFIED ACTIVITY IMMEDIATELY SW OF THE  
RAILHEAD/STORAGE AREA. NO SIGNIFICANT CHANGE OBSERVED  
AT THE POSSIBLE RAIL-TO-ROAD TRANSFER POINT SINCE  
[REDACTED]

25X1D

25X1D

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MISSION 1018-1,26-29 MAR 65

TCS-80489/65

25X1D

LAUNCH SITE A (SITE 1) IS SECURED BY A FENCE AND THE SILO EXCAVATION HAS BEEN PARTIALLY BACKFILLED. LAUNCH AREAS B (SITE 2), C (SITE 3), AND F (SITE 6) SHOW NO SIGNIFICANT CHANGE SINCE [REDACTED] AREA D (SITE 4) SHOWS NO SIGNIFICANT CHANGE SINCE MISSION [REDACTED] SITE E (SITE 5) IS NOW SECURED AND THE SILO EXCAVATION IS PARTIALLY BACKFILLED.

25X1D

CONSTRUCTION ACTIVITY IS APPARENT AT ALL OF THE LAUNCH SITES AND THEY REMAIN IN THE MID-STAGE OF CONSTRUCTION.

NO ABM ACTIVITY OBSERVED WITHIN THE 50-NM-RADIUS SEARCH AREA.

25X1D

VORU MRBM LAUNCH SITE 2

UR 5749N 02650E

A 25-NM-RADIUS SEARCH AROUND THE LAUNCH AREA REVEALS NO NEW SSM ACTIVITY SIMILAR TO THAT AT AREA 4C, KYMTC.

THE AREA WAS 100 PERCENT COVERED ON CLEAR, CLOUD-FREE, GOOD QUALITY PHOTOGRAPHY, BUT CANNOT BE NEGATED DUE TO SNOW COVER.

25X1D

PETROVSKIY IRBM LAUNCH SITE

UR 5000N 05658E

LAUNCH SITE AND SITE SUPPORT FACILITY OBSERVED ON HAZE-COVERED PHOTOGRAPHY.

25X1D

NO APPARENT CHANGE IN EXISTING FACILITIES OR NEW CONSTRUCTION OBSERVED SINCE [REDACTED]

25X1D

KARAKHOBDA IRBM LAUNCH SITE

UR 4957N 05651E

NO APPARENT CHANGE IN STATUS OF CONSTRUCTION AT LAUNCH SITE AND SITE SUPPORT FACILITY SINCE [REDACTED]

25X1D

25X1D

25X9

THE PRESENCE OF [REDACTED] ELECTRONIC/COMMUNICATIONS FACILITIES WAS NOT OBSERVED.

25X1D

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MISSION 1018-1,26-29 MAR 65

TCS-80489/65

25X1A

SMORGON IRBM LAUNCH SITE 2 25X1D UR 5426N 02618E

NO APPARENT CHANGE SINCE [REDACTED]

25X1D [REDACTED]

REDKINO MRBM LAUNCH SITE 25X9 UR 5724N 02826E

COMPLETE TYPE IV AREA WITH A COMPLETE [REDACTED]  
FACILITY. NO CONSTRUCTION OR CHANGES IN EXISTING  
FACILITIES OBSERVED. LAUNCH AREA WAS COMPLETELY  
COVERED BY PHOTOGRAPHY BUT SNOW COVER AND HAZE REDUCED  
THE QUALITY.

25X1D [REDACTED]

TSIRGULIINA IRBM LAUNCH SITE 25X9 UR 5749N 02612E

COMPLETE TYPE IV IRBM LAUNCH AREA [REDACTED]  
FACILITY UNDER CONSTRUCTION, BUT STATUS UNDETERMINED.  
NO ELECTRONIC/COMMUNICATIONS FACILITIES OBSERVED. A  
25-NM SEARCH REVEALS NO NEW SSM ACTIVITY.

25X1D [REDACTED]

LEJASCIEMS MRBM LAUNCH SITE 2 UR 5713N 02633E

25X9 COMPLETE TYPE IV MRBM LAUNCH AREA. NO ELECTRONIC OR  
[REDACTED] FACILITIES OBSERVED. CLEAR, GOOD  
QUALITY, SNOW-COVERED PHOTOGRAPHY COVERED THE ENTIRE  
LAUNCH AREA.

25X1D [REDACTED]

POSTAVY MRBM LAUNCH SITE 2 25X1D UR 5506N 02700E

NO APPARENT CHANGE SINCE [REDACTED]

25X9 ENTIRE LAUNCH AREA COVERED ON CLOUD-FREE PHOTOGRAPHY.  
LAUNCH AREA [REDACTED] IS  
COMPLETE.

25X1D [REDACTED]



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MISSION 1018-1,26-29 MAR 65

TCS-80489/65

25X1A

## SEMLEVO SUSPECT MISSILE AREA

UR 5501N 03357E

A 25-NM-RADIUS SEARCH AREA COVERED BY CLOUD-FREE PHOTOGRAPHY. THE NEW RAIL SPUR REPORTED TO BRANCH OFF MAIN LINE AT SEMLEVO AND LEAD SOUTH NOT OBSERVED DUE TO SNOW.

25X1D

25X1B

## LENINGRAD AMM/SAM LAUNCH COMPLEXES

UR 5955N 03020E

THE LENINGRAD AREA IS OBSERVED ON CLEAR, GOOD-QUALITY, STEREO PHOTOGRAPHY WITH SNOW CONDITIONS PREVAILING. NO AMM-RELATED ELECTRONIC EQUIPMENT SUCH AS HEN EGG, HEN NEST, OR HEN HOUSE WERE IDENTIFIED IN A 40-NM-RADIUS SEARCH OF THE AREA. NO [REDACTED] FACILITIES SERVING SITES OR COMPLEXES WERE IDENTIFIED.

25X9

AN ELECTRONIC SITE SIMILAR TO THAT AT THE SE CORNER OF THE LENINGRAD NW AMM/SAM LAUNCH COMPLEX IS APPARENTLY UNDER CONSTRUCTION AT BOTH THE LENINGRAD NE AND SW AMM/SAM COMPLEXES.

AT THE NW COMPLEX, LAUNCH SITES A AND B REMAIN APPARENTLY INACTIVE, AND TREES HAVE NOT YET BEEN CLEARED FROM THE SITES. TREES AT SITES C, D, AND E WERE REMOVED BETWEEN MISSIONS [REDACTED]

25X1D

[REDACTED] NO SIGNIFICANT CHANGES OBSERVED AT LAUNCH SITES C, D, AND E SINCE [REDACTED] AN OBJECT NOT DISCERNIBLE ON PREVIOUS PHOTOGRAPHY PROTRUDES FROM THE MISSILE READY BUILDING TOWARD THE LAUNCH POINT AT LAUNCH POSITION C-2. THE ENTIRE REVETTED AREA OF LAUNCH POSITION E-6 IS DARK IN TONE.

25X1D

THREE VANS LOCATED ON THE HARDSTAND AT POSITION 4 OF THE ELECTRONIC SITE ON [REDACTED] HAVE BEEN REMOVED. NO OTHER CHANGES OR ADDITIONS OBSERVED AT THIS SITE. TRACKAGE IN THE SNOW IS EVIDENT IN THE SUPPORT AND BARRACKS AREAS.

25X1D

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# TOP SECRET CHESS RUFF

MISSION 1018-1,26-29 MAR 65

TCS-80489/65

THE ELEVATED CIRCULAR PLATFORM AT THE OUTRIGGER POSITION NE OF THE PROBABLE COMPLEX CONTROL CENTER APPEARS 50 PERCENT CLEAR OF SNOW. THE 4 ROWS OF VEHICLES/EQUIPMENT REMAIN PARKED IN THE CLEARING NW OF LAUNCH SITE A. THE SA-3 SAM SITE WITHIN THE COMPLEX IS OCCUPIED.

25X1D

SIGNIFICANT NEW ACTIVITY AT THE LENINGRAD NE AMM/SAM LAUNCH COMPLEX SINCE [REDACTED] INCLUDES A PROBABLE HARDSTAND UNDER CONSTRUCTION IMMEDIATELY NW OF THE PROBABLE COMPLEX CONTROL CENTER, GROUND SCARRING AND A PROBABLE EXCAVATION JUST EAST OF THE ROAD LEADING SW FROM THE SUPPORT AREA, AND AN UNIDENTIFIED OBJECT NW OF THE DRIVE-THROUGH REVETMENT.

THE LEVEL AREA ATOP THE MOUNDED POSITION MAY BE ENCLOSED BY A LOW WALL. THE LAUNCH AREA MAIN ROAD IS CLEAR OF SNOW AND TRACKAGE AND 2 PROBABLE VEHICLES ARE OBSERVED ON THE PERIMETER ROAD OF LAUNCH SITE B. STATUS OF THE LAUNCH POSITIONS IS UNDETERMINED.

SIGNIFICANT NEW ACTIVITY AT THE LENINGRAD SW AMM/SAM COMPLEX INCLUDES AN ELECTRONIC SITE UNDER CONSTRUCTION CONSISTING OF A PREVIOUSLY REPORTED POSSIBLE REVETMENT (NOW CONFIRMED AS A DRIVE-THROUGH REVETMENT), 3 HARDSTANDS UNDER CONSTRUCTION IN A WOODED AREA WSW OF THE PROBABLE COMPLEX CONTROL CENTER, AND AN AREA CLEARED OF TREES POSSIBLY FOR ANOTHER HARDSTAND POSITION NW OF THE CONTROL CENTER. THE ELEVATED CIRCULAR PLATFORM AT THE OUTRIGGER POSITION NW OF THE CONTROL CENTER IS PARTIALLY CLEAR OF SNOW.

THE PERIMETER ROADS OF LAUNCH SITES A, B, AND D ARE CLEARED OF SNOW WHILE THOSE AT SITES C AND E ARE UNCLEARED. THERE APPEARS TO BE EQUIPMENT/VEHICLES AT EACH OF THE LAUNCH POSITIONS OF SITES A, B, AND D. NONE IS DISCERNIBLE ON THE LAUNCH POSITIONS OF SITES C AND E.

ROADS THROUGHOUT THE SUPPORT AND BARRACKS AREAS ARE CLEAR OF SNOW. THE SA-3 SAM SITE IMMEDIATELY SOUTH OF THE COMPLEX IS OCCUPIED. TRACKAGE IN THE SNOW IS EVIDENT AROUND THE MISSILE READY BUILDING AT THE POSSIBLE AMM TRAINING SITE AND UNIDENTIFIED OBJECTS NOT CLEARLY DISCERNIBLE ARE LOCATED BEHIND THE BUILDING.

PHOTO REFERENCES FOR SIGNIFICANT ITEMS FOLLOW --

NW COMPLEX -- [REDACTED]

25X1D

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TOP SECRET CHESS RUFF

MISSION 1018-1,26-29 MAR 65

TCS-80489/65

25X1D



25X1A

ANTIPINSKOYE SAM ACTIVITY

UR 5254N 11332E

25X1D

NO APPARENT CHANGE IN RADAR SITE 12.7 NM SW OF LAUNCH  
SITE POSITIONS SINCE [REDACTED] NO  
INSTRUMENTATION SITE OBSERVED IN 25-NM SEARCH AREA EAST  
OF THE LAUNCH AREA.

25X1D

ENTIRE AREA IS COVERED ON CLEAR, FAIR-QUALITY  
PHOTOGRAPHY. THERE HAS BEEN NO CHANGE IN THE PERMANENT  
FACILITIES SINCE [REDACTED] AND THERE IS NO  
INDICATION OF NEW CONSTRUCTION ACTIVITY IN THE AREA.

25X1D



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## **Nuclear Energy**

25X2

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Approved For Release 2000/09/08 : CIA-RDP78T05439A000500030050-2

## Index

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# TOP SECRET CHESS RUFF

MISSION 1018-1,26-29 MAR 65

TCS-80489/65

25X1A

## INDEX OF COMOR TARGETS

COMOR	INSTALLATION NAME	CTY	COORDINATES	OAK
	PLESETSK ICBM COMPLEX	UR	6254N 04038E	4
	VERKHNYAYA SALDA ICBM COMPLEX	UR	5802N 06024E	4
	TYURATAM MISSILE TEST CENTER	UR	4538N 06317E	3
	YOSHKAR-OLA ICBM COMPLEX	UR	5633N 04801E	4
	DROVYANAYA ICBM COMPLEX	UR	5131N 11300E	3
	OMSK ICBM COMPLEX	UR	5504N 07331E	1
	PERM ICBM COMPLEX	UR	5742N 05619E	4
	TYUMEN ICBM COMPLEX	UR	5652N 06551E	2
	YEDROVO ICBM COMPLEX	UR	5751N 03340E	4
	GLADKAYA ICBM COMPLEX	UR	5605N 09211E	3
	UZHUR ICBM COMPLEX	UR	5517N 08949E	3
	KOZELSK ICBM COMPLEX	UR	5356N 03549E	4
	OLOVYANNAYA ICBM COMPLEX	UR	5049N 11550E	3
	IMENI GASTELLO ICBM COMPLEX	UR	5107N 06619E	4
	TATISHCHEVO ICBM COMPLEX	UR	5140N 04534E	3
	SLEDYUKI MRBM LAUNCH SITE	UR	5341N 03020E	2
	VORU MRBM LAUNCH SITE 2	UR	5749N 02650E	4
	PETROVSKIY IRBM LAUNCH SITE	UR	5000N 05658E	4
	MARINA GORKA MRBM LAUNCH SITE	UR	5326N 02745E	3
	SKRUNDA IRBM LAUNCH SITE	UR	5635N 02149E	3
	KARAKHOBDA IRBM LAUNCH SITE	UR	4957N 05651E	4
	GRANOV IRBM LAUNCH SITE 2	UR	4849N 02929E	3
	SMORGON IRBM LAUNCH SITE 2	UR	5426N 02618E	4
	GURLEVO MRBM LAUNCH SITE	UR	5925N 02852E	3
	RUDNYA ZLOTINSKAYA MRBM LAUNCH SITE	UR	5104N 02807E	3
	LIELELEJA MRBM LAUNCH SITE	UR	5624N 02336E	3
	IECAVA MRBM LAUNCH SITE 3	UR	5633N 02420E	1
	REDKINO MRBM LAUNCH SITE	UR	5724N 02826E	4
	TSIRGULIINA IRBM LAUNCH SITE	UR	5749N 02612E	4
	VAINODE IRBM LAUNCH SITE	UR	5628N 02150E	3
	ZHURAVKA IRBM LAUNCH SITE	UR	5436N 07640E	3
	KALNIK IRBM LAUNCH SITE	UR	4859N 02922E	3
	LEJASCIEMS MRBM LAUNCH SITE 2	UR	5713N 02633E	4
	POSTAVY MRBM LAUNCH SITE 2	UR	5506N 02700E	4
	SOVETSKAYA GAVAN MRBM LAUNCH FACILITY	UR	4904N 14007E	2
	KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR	UR	4835N 04545E	3
	SARY-SHAGAN ANTIMISSILE TEST CENTER	UR	4602N 07334E	3
	MAKAT FIELD LAUNCH POINT (MRBM)	UR	4758N 05342E	2
	KURUMUCH ROCKET ENGINE TEST FACILITY	UR	5331N 04949E	1
	KRASNOYARSK ROCKET ENGINE TEST FACILITY	UR	5605N 09327E	1
	OMSK RKT ENG TEST FAC GORNAYA BITIYA	UR	5525N 07317E	1
	PEIPING RKT ENG TEST FAC CHANG-HSIN-TIEN	CH	3950N 11608E	2
	PERM ROCKET ENGINE TEST FACILITY	UR	5801N 05634E	1
	STERLITAMAK STATIC TEST FACILITY	UR	5341N 05558E	1
	KUZNETSK SUSPECT SSM AREA	UR	5307N 04636E	2

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MISSION 1018-1,26-29 MAR 65

TCS-80489/65

25X1B

25X1A

SEMLEVO SUSPECT MISSILE AREA	UR 5501N 03357E 4
KIROV SUSPECT MISSILE AREA	UR 5405N 03415E 1
SUKREHL SUSPECT MISSILE AREA	UR 5349N 03426E 2
SEVERODVINSK NAVAL BASE AND SHIPYARD 402	UR 6434N 03949E 1
SEVEROMORSK SUSPECT NAVAL MSL STORAGE	UR 6906N 03328E 2
KOMSOMOLSK SHIPYARD AMUR 199	UR 5033N 13702E 2
GUBA SAYDA SUBMARINE BASE	UR 6915N 03321E 1
GUBA OLENYA SUBMARINE BASE	UR 6913N 03323E 2
POLYARNYY NAVAL BASE	UR 6912N 03328E 2
GUBA LITSA SUBMARINE BASE	UR 6926N 03224E 2
GUBA LITSA NAVAL MISSILE STORAGE	UR 6925N 03226E 2
GUBA MOTKA NAVAL BASE	UR 6940N 03210E 1
TERIBERKA NAVAL BASE	UR 6910N 03508E 1
YOKANGA NAVAL BASE AND SHIP REPAIR YARD	UR 6804N 03932E 1
VLADIMIR SUBMARINE BASE	UR 4355N 13528E 2
ROSTA NAVAL BASE AND SHIPYARD SEVMORPUT	UR 6902N 03304E 2
KALININGRAD SUSP NAVAL MISSILE STORAGE	UR 5450N 02028E 2
GUBA URA NAVAL BASE	UR 6920N 03249E 2
DOLGAYA NAVAL BASE	UR 6915N 03350E 2
GUBA PALA NAVAL BASE AND SHIP REPAIR YARD	UR 6912N 03326E 2
PETROVKA SHIPYARD	UR 4307N 13220E 2
STRELOK STRAIT SUB BASE PAVLOVSKOGO	UR 4252N 13232E 2
ZALIV VOSTOK NAVAL BASE LIVADIYA	UR 4252N 13241E 2
BUKHTA ABREK NAVAL MISSILE SUPPORT FAC	UR 4255N 13225E 2
DUNAY PROBABLE NAVAL MISSILE STORAGE	UR 4256N 13220E 2
SOVETSKAYA GAVAN SUBMARINE BASE	UR 4902N 14016E 2
SOVETSKAYA GAVAN NVL BASE & SHIPYARD 263	UR 4858N 14017E 2
MOSCOW SUSPECT ABM AREA	UR 5545N 03737E 2
LENINGRAD AMM/SAM LAUNCH COMPLEXES	UR 5955N 03020E 4
ANTIPINSKOYE SAM ACTIVITY	UR 5254N 11332E 4
CHOKURDAKH SUSPECT ABM AREA	UR 7037N 14753E 2
CHEREPVETS PROB AMM/SAM LAUNCH COMPLEX	UR 5906N 03810E 2
KALIDJATI SAM TRAINING CENTER	ID 0633S 10740E 1
KALIDJATI AIRFIELD	ID 0633S 10740E 1
CHEPELEVKA AIRFIELD	UR 4947N 03026E 2
ENGELS AIRFIELD	UR 5129N 04611E 2
SIAULIAI AIRFIELD	UR 5553N 02323E 1
BORZYA AIRFIELD NORTHWEST	UR 5024N 11623E 2
BARANOVICHI AIRFIELD	UR 5306N 02603E 2
MINSK/MACHULISHCHE AIRFIELD	UR 5347N 02735E 1
OLENEGORSK AIRFIELD	UR 6809N 03327E 2
SPASSK-DALNIY AIRFIELD EAST	UR 4437N 13253E 1
SREDNIY AIRFIELD	UR 7930N 09110E 1
NAGURSKOYE AIRFIELD	UR 8047N 04733E 1
BYKHOV AIRFIELD	UR 5331N 03012E 1
KALININGRAD/PROVEREN AIRFIELD	UR 5446N 02025E 1
ORSHA AIRFIELD SOUTHWEST	UR 5426N 03018E 1



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# TOP SECRET CHESS RUFF

MISSION 1018-1,26-29 MAR 65

TCS-80489/65

25X1A

BELAYA TSEKOV AIRFIELD	UR 4947N 03001E 2
ZHITOMIR/SKOMOROKHI AIRFIELD	UR 5010N 02844E 2
ANISOVO GORODISHCHE AIRFIELD	UR 5414N 03422E 1
GOMEL/PRIBYTKI AIRFIELD	UR 5218N 03110E 1
BOBRUYSK AIRFIELD	UR 5306N 02912E 1
OSTROV VRANGELYA/SOMNITELNAYA AIRFIELD	UR 7057N 17936W 1
KALININ AIRFIELD	UR 5649N 03545E 1
SOLTSY AIRFIELD	UR 5808N 03020E 2
TARTU AIRFIELD	UR 5824N 02646E 2
MAL-YAVR AIRFIELD	UR 6852N 03343E 2
SEVEROMORSK AIRFIELD	UR 6901N 03325E 2
OSTROV/GOROKHOVKA AIRFIELD	UR 5718N 02826E 2
AKHTUBINSK FLIGHT TEST CENTER	UR 4818N 04611E 2
SEMLAK AIRFIELD	ID 0632S 10645E 1

25X6

PARNU AIRFIELD UR 5825N 02428E 1

DODONOVO ATOMIC ENERGY COMPLEX UR 5616N 09328E 3  
CHIANG-YU IRON AND STEEL PLANT CH 3146N 10446E 3

25X2

PECHENGA NAVAL BASE LINAKHAMARI UR 6939N 03122E 1  
KRONSTADT NAVAL BASE AND SHIPYARD UR 5959N 02947E 1  
TA-KU NAVAL FACILITY CH 3900N 11740E 2  
LIEPAJA NAVAL BASE AND SHIPYARD UR 5633N 02102E 2  
LENINGRAD SHIPYARD SUDOMEKH 196 UR 5956N 03017E 2  
LENINGRAD SHIPYARD BALTIYSK ORDZH 189 UR 5955N 03016E 2  
LENINGRAD SHIPYARD ZHDANOV 190 UR 5952N 03014E 2  
LENINGRAD SHIPYARD ADMIRALTY 194 UR 5955N 03016E 2  
NAKHODKA NAVAL BASE AND PORT UR 4248N 13254E 2  
CHEREPOVETS RESERVOIR LOCK UR 5913N 03829E 2  
BELOZERSK LOCKS UR 6010N 03713E 2

25X2

ARKHANGELSK HF COMMUNICATIONS FACILITY UR 6418N 04038E 1  
NARO-FOMINSK SUSP AMM PHASED-ARRAY RADAR UR 5529N 03641E 1  
VINNITSA SUSPECT SPACE TRACKING FACILITY UR 4913N 02846E 1  
DJAKARTA COMPLEX ID 0610S 10650E 3  
OKHA COMPLEX UR 5335N 14256E 2

25X1B

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MISSION 1018-1, 26-29 MAR 65

TCS-80489/65

25X1B



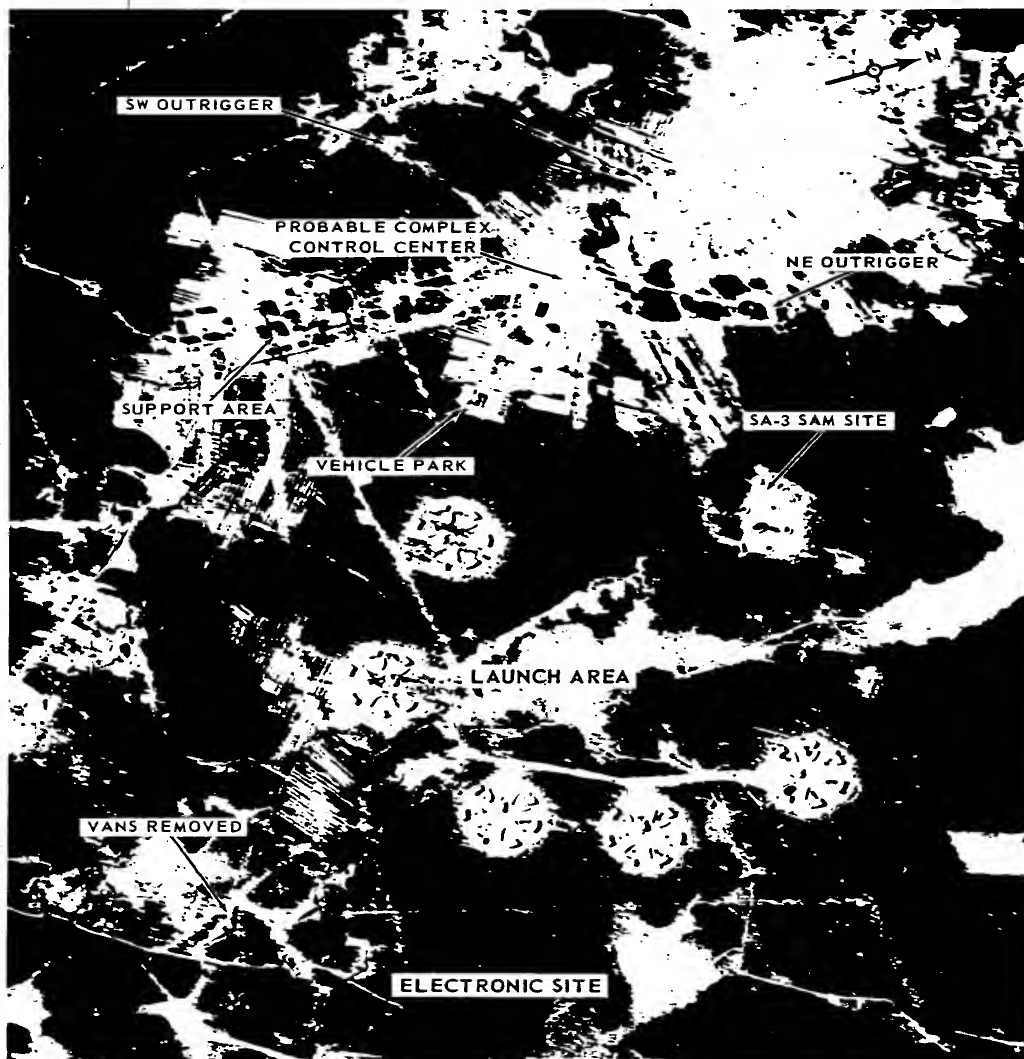
## Attachments

Handle Via  
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## TOP SECRET CHESS RUFF

MISSION 1018-1, 26-29 MARCH 1965

TCS-80489/65  
ATTACHMENT 1



NORTHWEST AMM/SAM LAUNCH COMPLEX, LENINGRAD, USSR

NPIC J-6939 (4/65)

TOP SECRET CHESS RUFF

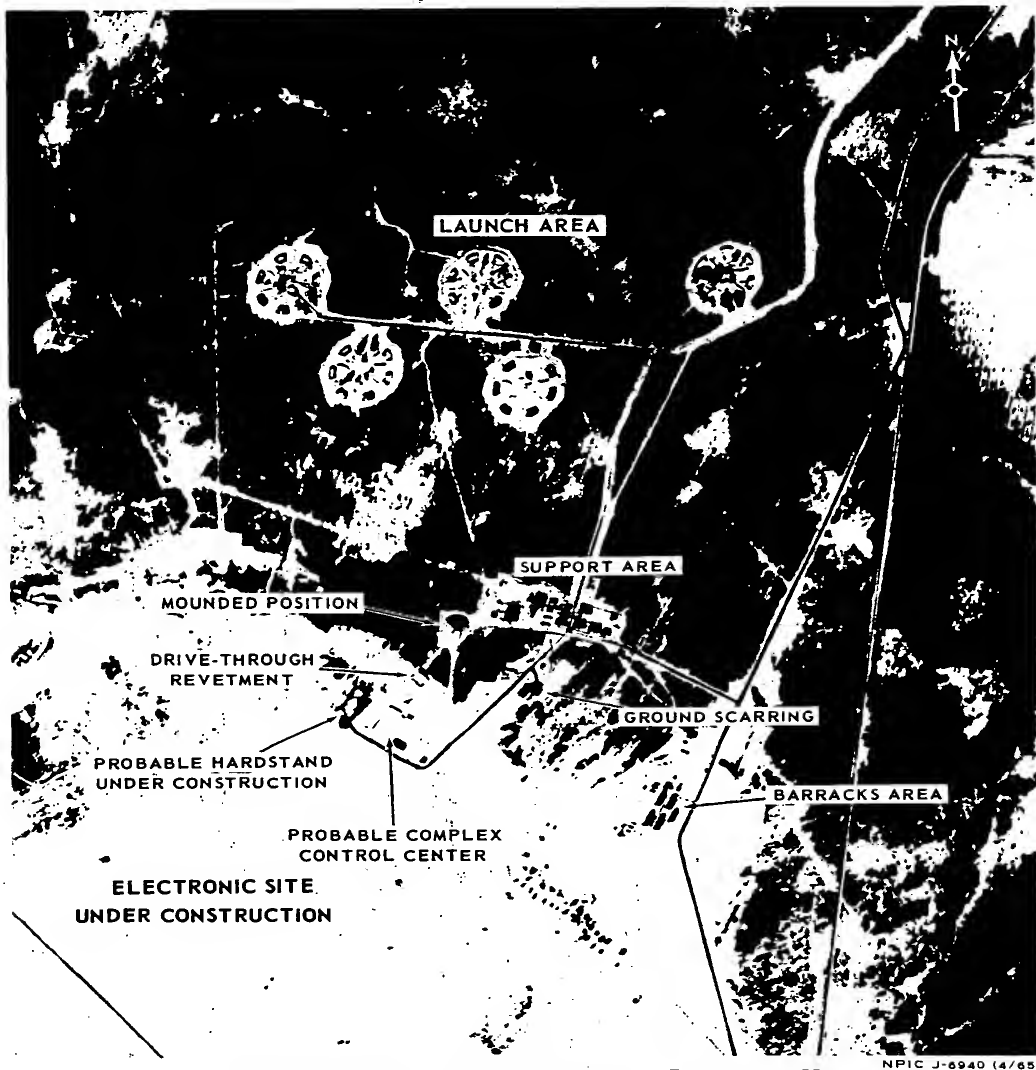
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MISSION 1018-1, 26-29 MARCH 1965

TCS-80489/65  
ATTACHMENT 2



NORTHEAST AMM/SAM LAUNCH COMPLEX, LENINGRAD, USSR

NPIC J-6940 (4/65)

TOP SECRET CHESS RUFF

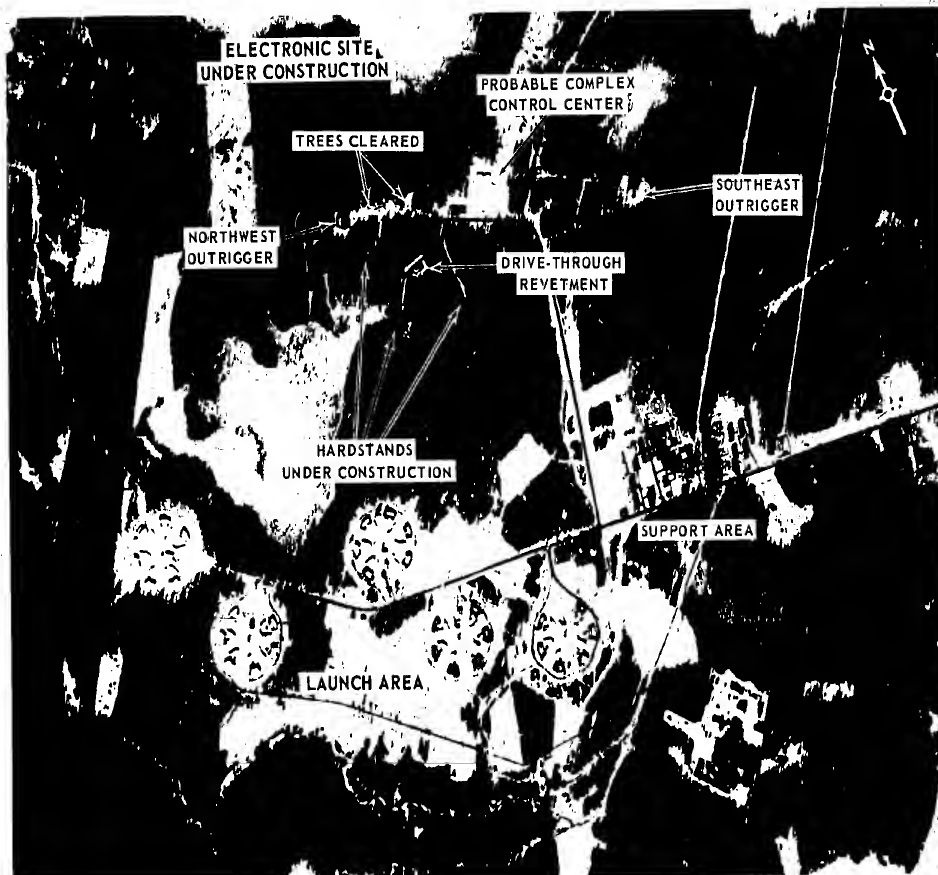
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Talent Keyhole  
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# TOP SECRET CHESS RUFF

MISSION 1018-1, 26-29 MARCH 1965

TCS-80489/65  
ATTACHMENT 3



NPIC J-6941 (4/65)

SOUTHWEST AMM/SAM LAUNCH COMPLEX, LENINGRAD, USSR

TOP SECRET CHESS RUFF

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Talent Keyhole  
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TOP SECRET

TOP SECRET